

Fig. 1

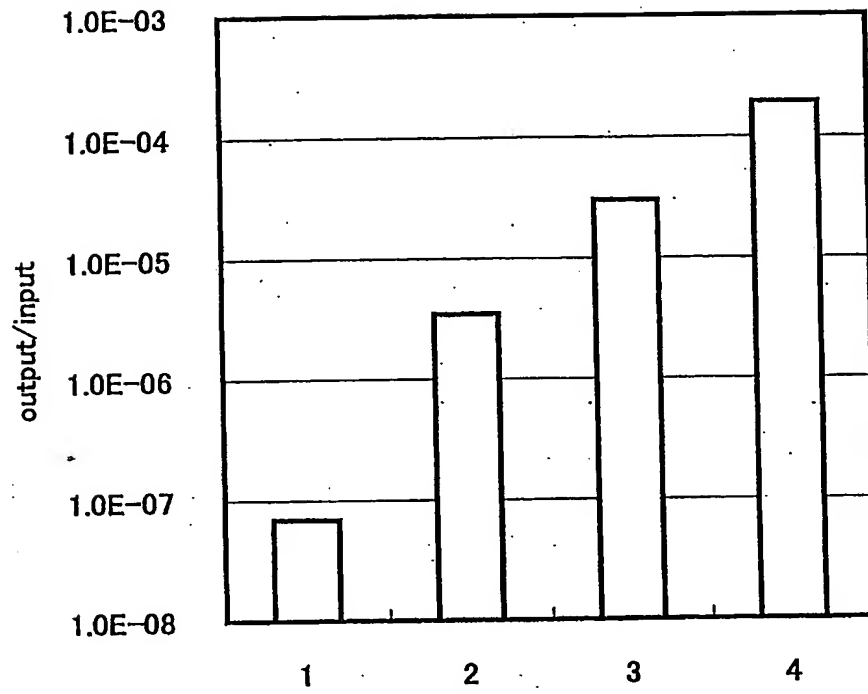


Fig. 2

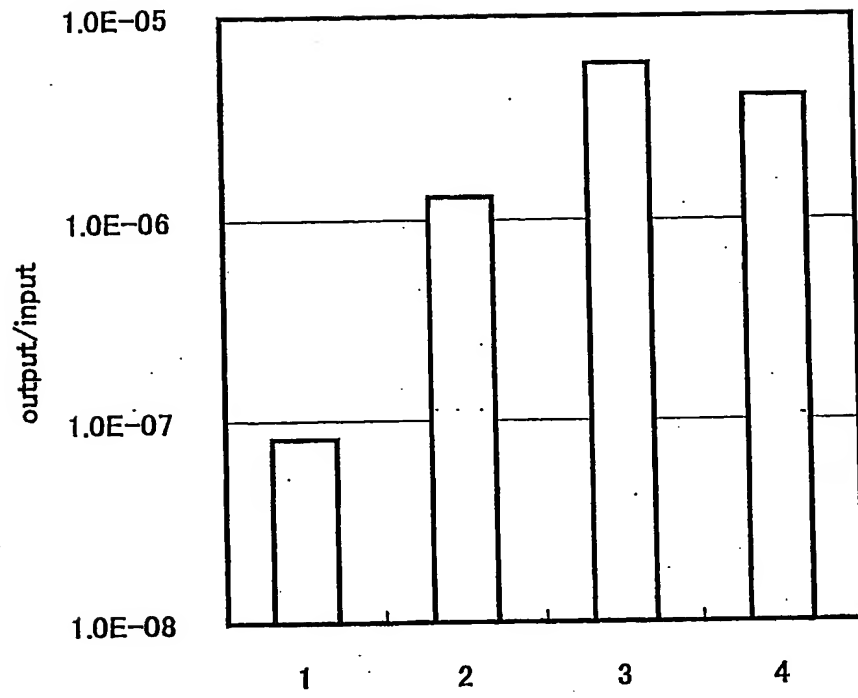


Fig. 3

e3-2-2 LDTTNVSGPMSS
e3-2-3 RKLPDAPGMHTW
e3-2-4 RKLPDAPGMHTW
e3-2-5 SYRLPVYLHALL
e3-2-6 RKLPDAPGMHTW
e3-2-7 RKLPDAPGMHTW
e3-2-8 SDPNQDWRRTTP
e3-2-9 RKLPDAPGMHTW
e3-2-10 RKLPDAPGMHTW
e3-2-12 LPSQLLSQVNL
e3-2-13 RKLPDAPGMHTW
e3-2-14 RKLPDAPGMHTW
e3-2-15 RKLPDAPGMHTW
e3-2-16 RKLPDAPGMHTW
e3-2-17 RKLPDAPGMHTW
e3-2-18 RKLPDAPGMHTW
e3-2-19 LCNNTTSVHPP
e3-2-20 RKLPDAPGMHTW
e3-2-21 MQMEGKPTLTLR
e3-2-22 RKLPDAPGMHTW
e3-2-23 RKLPDAPGMHTW
e3-2-25 RKLPDAPGMHTW
e3-2-29 STLKNPINLLAN
e3-2-30 RKLPDAPGMHTW
e3-2-31 RKLPDAPGMHTW
e3-2-33 RKLPDAPGMHTW
e3-2-34 RKLPDAPGMHTW
e3-2-36 RKLPDAPGMHTW
e3-2-39 RKLPDAPGMHTW
e3-2-40 RKLPDAPGMHTW
e3-2-41 RKLPDAPGMHTW
e3-2-42 RKLPDAPGMHTW
e3-2-43 SCHVWYDSCSSP
e3-2-45 RKLPDAPGMHTW
e3-2-46 RKLPDAPGMHTW
e3-2-47 RKLPDAPGMHTW
e3-2-48 RKLPDAPGMHTW
e3-2-49 RKLPDAPGMHTW
e3-2-50 STLKNPINLLAN
e3-2-51 RKLPDAPGMHTW
e3-2-52 RKLPDAPGMHTW
e3-2-55 QDMIRTSALMLQ
e3-2-56 RKLPDAPGMHTW

Fig. 4

e3-4-2 CTSPTSVD
e3-4-3 CTPSPHQGC
e3-4-4 CHTAPLPRC
e3-4-5 CTPSPHQGC
e3-4-6 CHGATPQNC
e3-4-7 CSGHNPTHC
e3-4-8 CTSPTSVD
e3-4-9 CTPSPHQGC
e3-4-11 CPMWQAQQC
e3-4-12 CGYYSMSC
e3-4-13 CDMLTPRSC
e3-4-15 CTSPTSVD
e3-4-16 CLRLQSQDC
e3-4-17 CQITWHHTC
e3-4-19 CTPSPHQGC
e3-4-21 CSAHHHDKC
e3-4-22 CTPSPHQGC
e3-4-23 CMTKNPLNC
e3-4-24 CTPSPHQGC
e3-4-25 CTPSPHQGC
e3-4-26 CTPSPHQGC
e3-4-27 CTSPTSVD
e3-4-28 CMTKNPLNC
e3-4-29 CKTSLPTTC
e3-4-30 CVSTYWKTC
e3-4-31 CTSPTSVD
e3-4-32 CTSPTSVD

Fig. 5

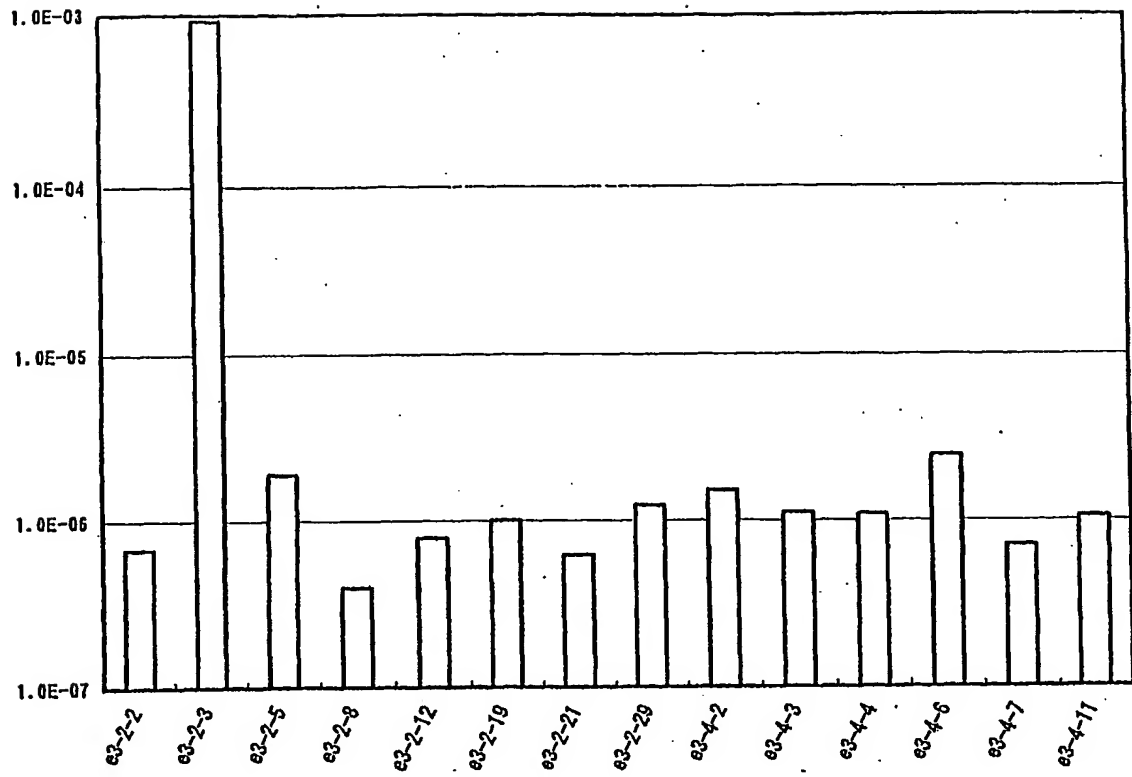
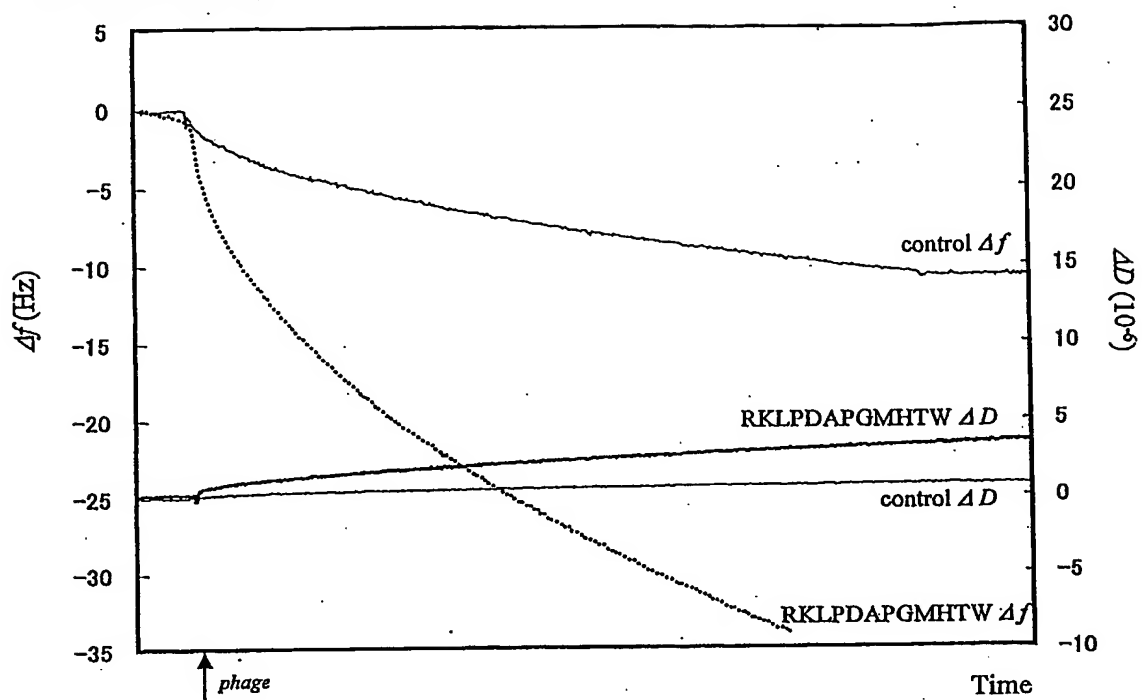


Fig. 6

A: Non-blocking



B: BSA blocking

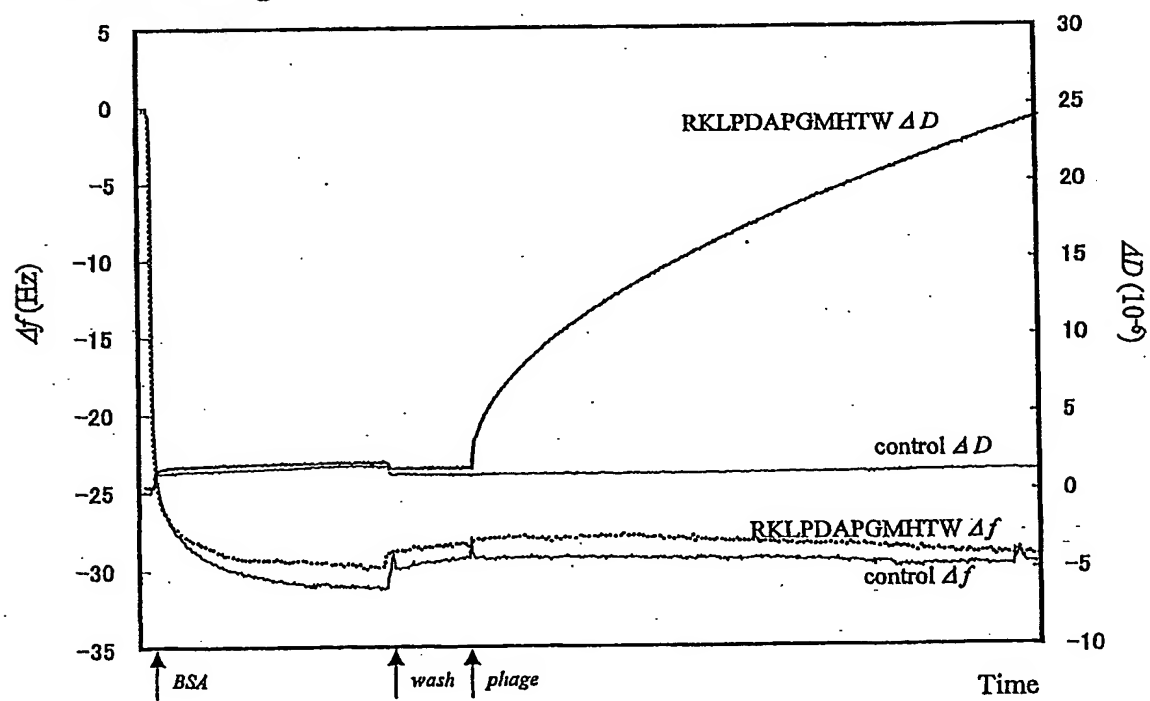


Fig. 7

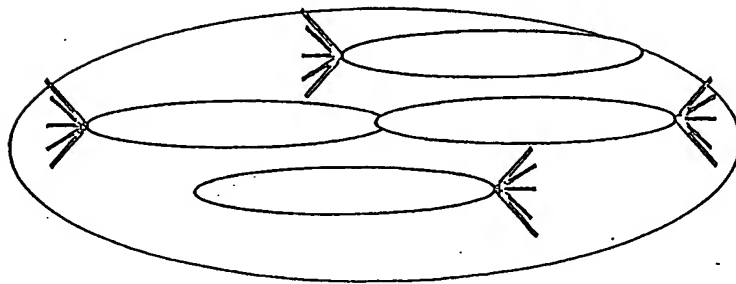
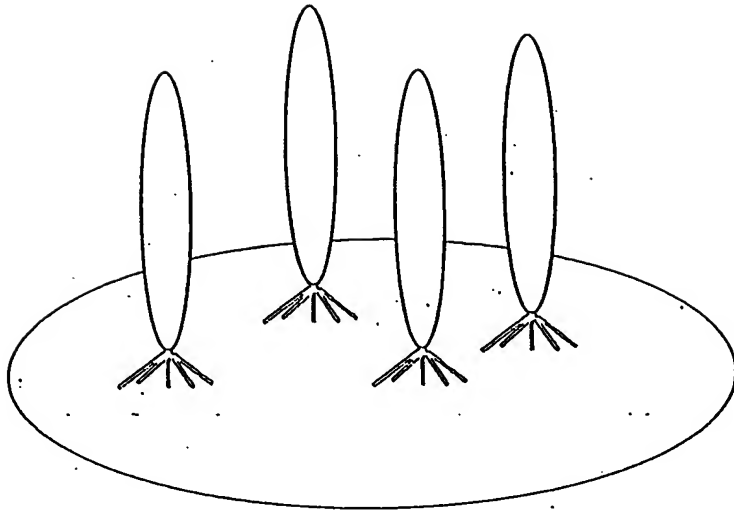


Fig. 8

R1A: AGGCAGCTTCGCAGAGTGAGAATAG

K2A: CATCAGGCAGCGCCCGAGAGTGAG

L3A: GGAGCATCAGGCGCCTTCCGAGAG

P4A: CCGGGAGCATCAGCCAGCTTCCGAG

D5A: ATCCCGGGAGCAGCAGGCAGCTTC

P7A: GTATGCATCCCGGCAGCATCAGGCA

G8A: AGTATGCATCGCGGGAGCATCAGG

M9A: CCCC AAGTATGCGCCCCGGGAGCATC

H10A: TCCACCCCAAGTAGCCATCCCGGA

T11A: TCCACCCCAAGCATGCATCCCGG

W12A: AACCTCCACCCGCAGTATGCATC

Δ7-12F; GGAGGATCCGCCGAAACTGTTGAAAGTTG

Δ7-12R; GGGGGATCCTCCACCAGCATCAGGCAGCTTCCGAG

K2AΔ7-12R; GGGGGATCCTCCACCAGCATCAGGCAGCGCCCGAG

Ala insert; AGCATCAGGCAGCTTCCGTGCAGAGTGAGAATAGAAAGG

Fig. 9

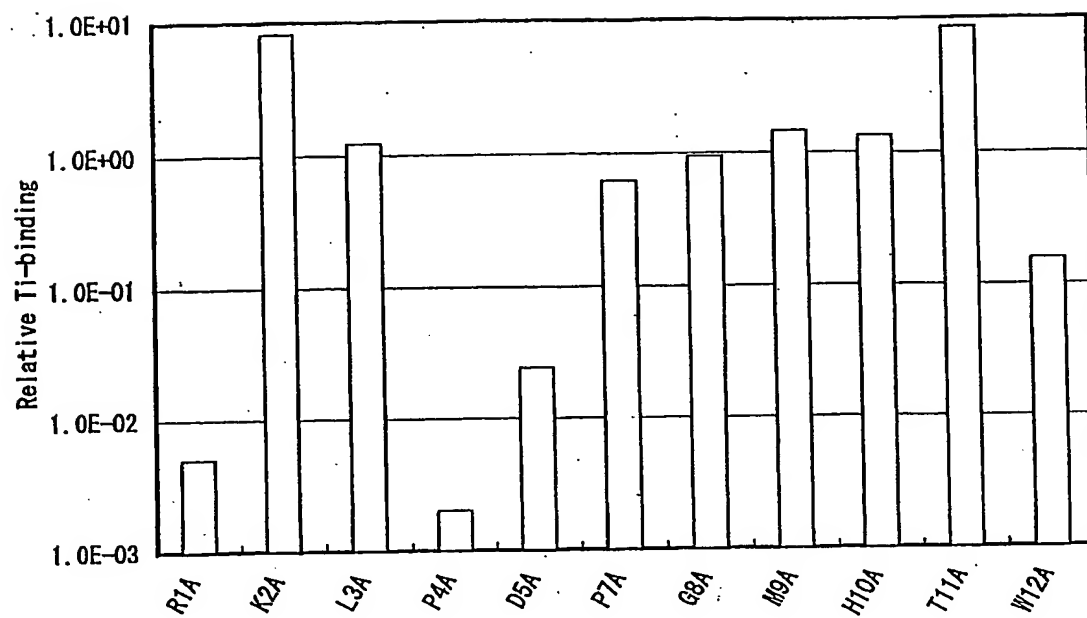


Fig. 10

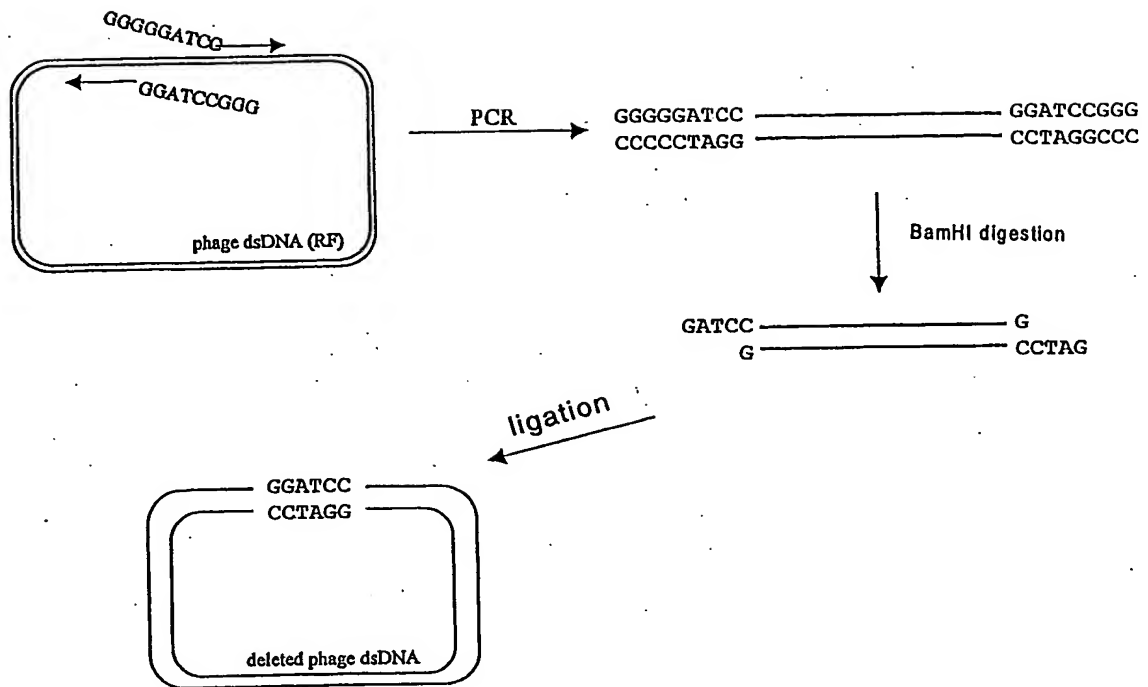


Fig. 11

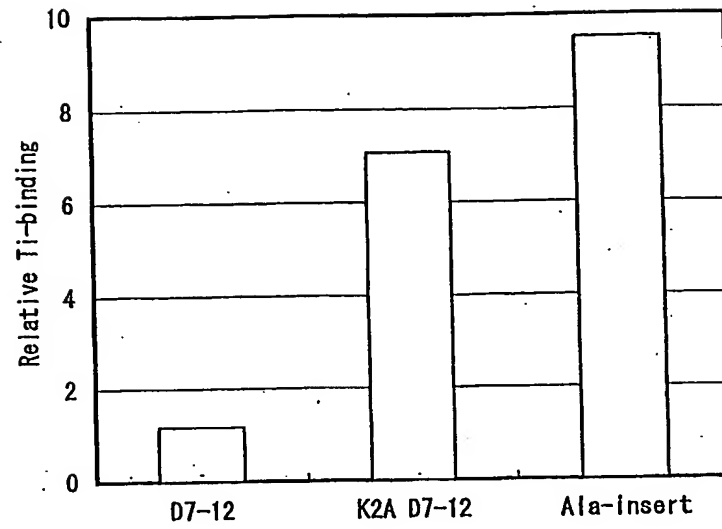


Fig. 12

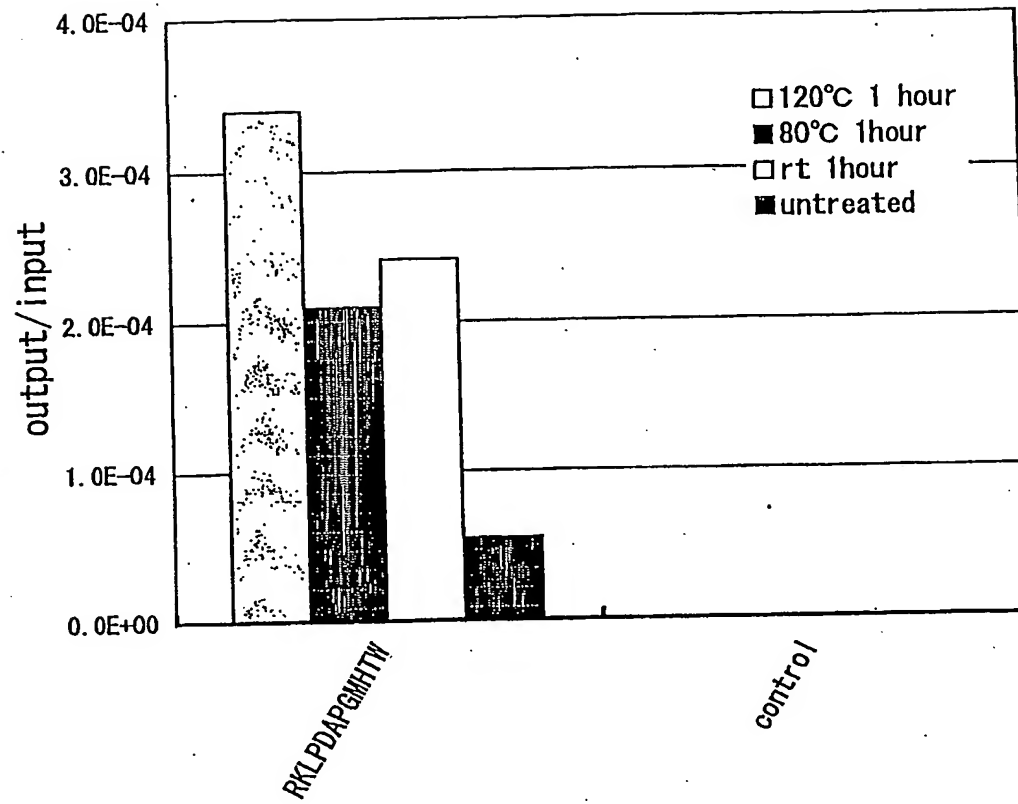


Fig. 13

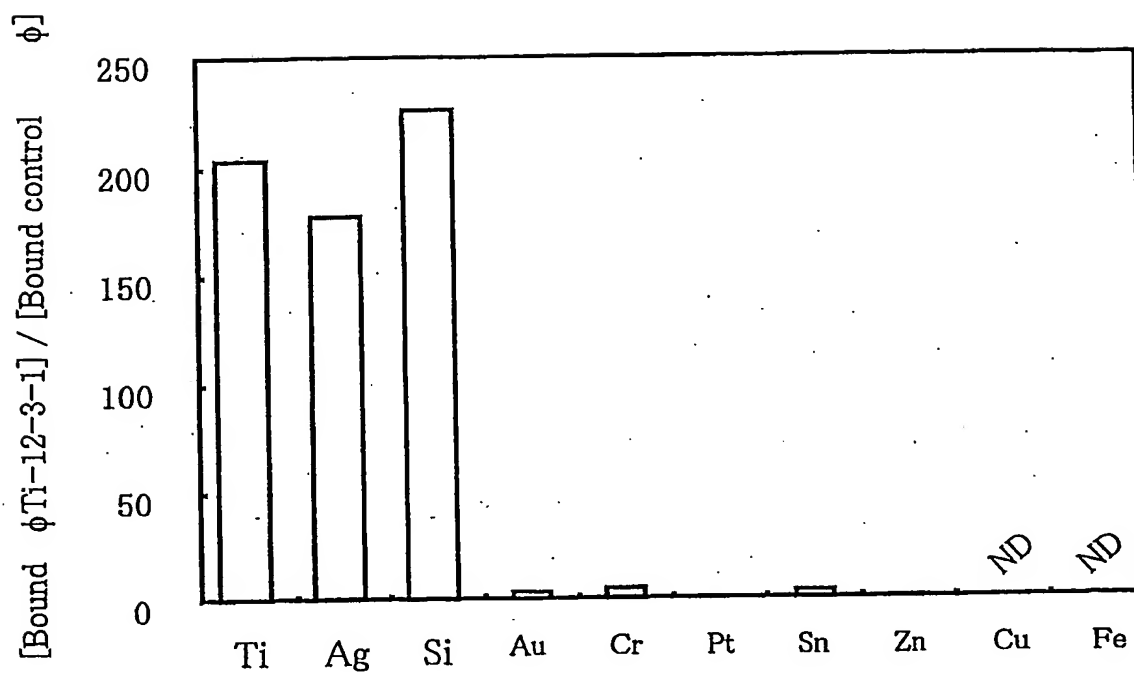


Fig. 14

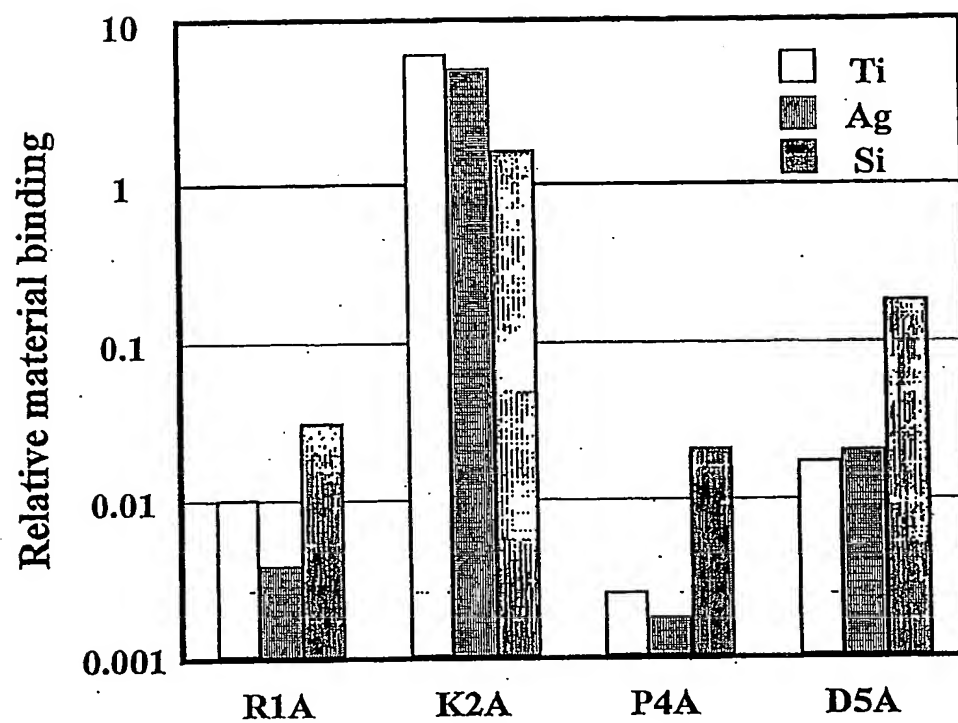


Fig. 15

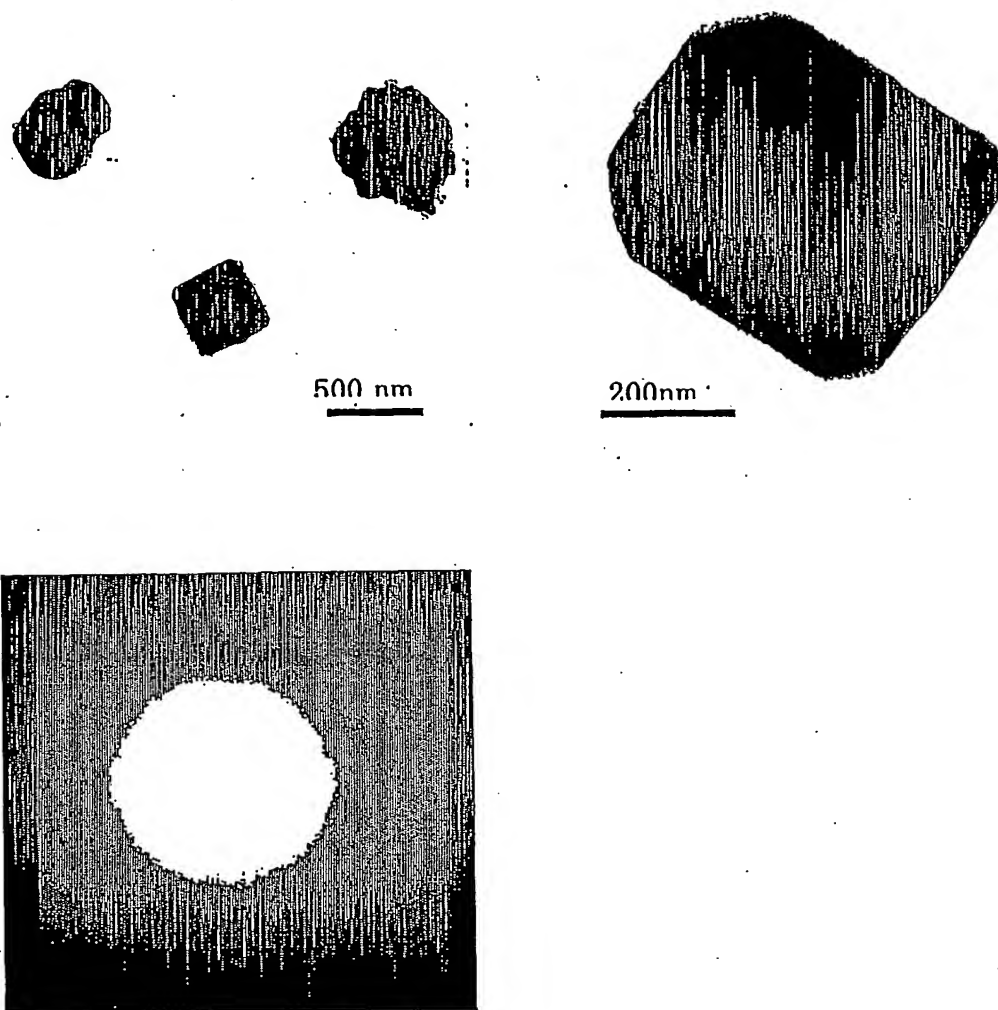


Fig. 16

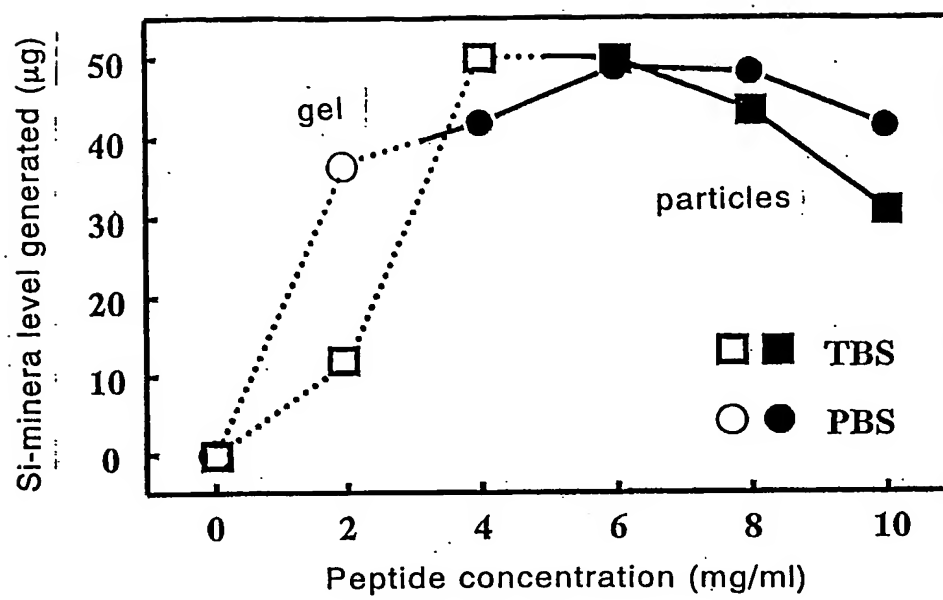


Fig. 17

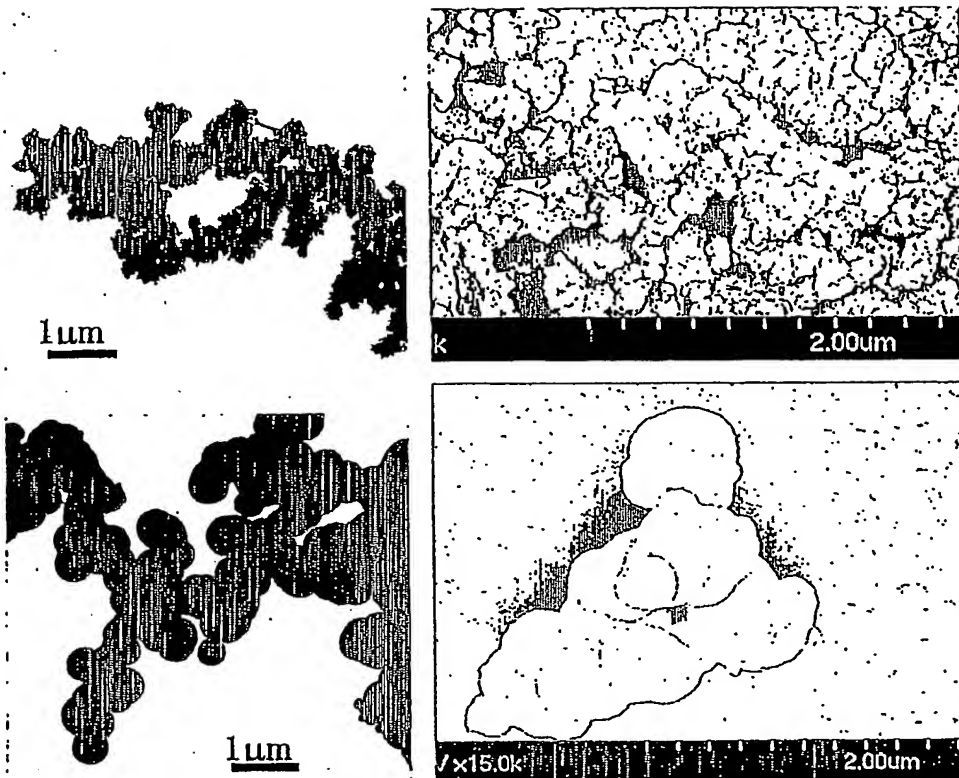


Fig. 18

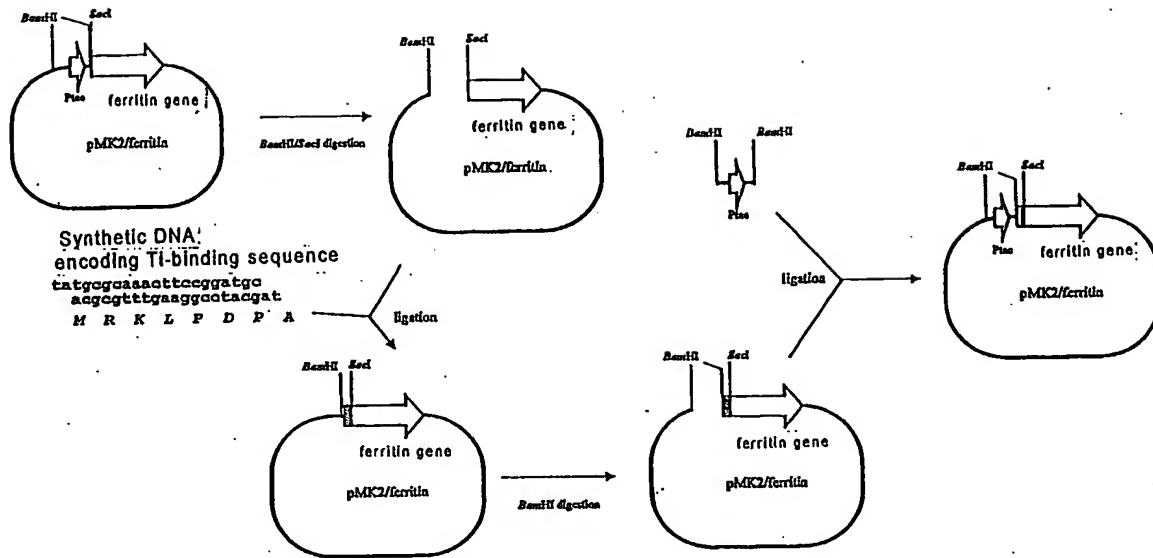


Fig. 19

